

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 Claim 1 (canceled):

1 Claim 2 (currently amended): A security method for use in
2 a communication system, the security method comprising:

3 receiving an IP packet including a source address and
4 a destination address;

5 obtaining physical location information indicating the
6 location of a user device which is the source of said IP
7 packet prior to delivery of the packet to the destination
8 address; and

9 determining, as a function of the obtained physical
10 location information, an action to be taken~~The security~~
11 ~~method of claim 1,~~ wherein determining an action to be
12 taken includes:

13 comparing the obtained physical location information
14 to information listing physical locations authorized to
15 obtain access to a service for which security is to be
16 provided.

1 Claim 3 (original): The security method of claim 2,
2 further comprising:

3 dropping said packet when said comparing does not
4 result in a match between the obtained physical location
5 information and the information listing physical locations
6 authorized to obtain access to the service.

1 Claim 4 (original): The security method of claim 2,
2 wherein said service is one of a banking service, video on
3 demand service and a music on demand service.

1 Claim 5 (original): The security method of claim 2,
2 further comprising:
3 forwarding said packet to the destination address when
4 said comparing results in a match between the obtained
5 physical location information and the information listing
6 physical locations authorized to obtain access to the
7 service.

1 Claim 6 (canceled):

1 Claim 7 (currently amended): A security method for use in
2 a communication system, the security method comprising:
3 receiving an IP packet including a source address and
4 a destination address;
5 obtaining physical location information indicating the
6 location of a user device which is the source of said IP
7 packet prior to delivery of the packet to the destination
8 address, including transmitting a location information
9 request message including the source address of the
10 received IP packet and receiving in response to said
11 transmitted location information request message,
12 information corresponding to the location of the user
13 device;
14 determining, as a function of the obtained physical
15 location information, an action to be taken, and
16 ~~The security method of claim 6, further comprising:~~
17 determining the location of the user device from edge
18 router and port information obtained from an edge router.

1 Claim 8 (original): The security method of claim 7,
2 wherein determining the location of the user device further
3 includes:

4 performing a database lookup operation to retrieve a
5 geographic location stored in association with said edge
6 router and port information.

1 Claim 9 (previously presented): A security method for use
2 in a communication system, the security method comprising:

3 (a) receiving an IP packet including a source address
4 and a destination address;

5 (b) obtaining physical location information indicating
6 the location of a user device which is the source of said
7 IP packet, by:

8 (i) transmitting a location information request
9 message including the source address of the received IP
10 packet,

11 (ii) receiving in response to said transmitted
12 location information request message, information
13 corresponding to the location of the user device determined
14 from edge router and port information obtained from an edge
15 router and a device identifier associated with the source
16 address of said IP packet;

17 (iii) performing a database lookup operation to
18 retrieve a geographic location stored in association with
19 said edge router and port information, and

20 (iv) comparing the received device identifier to
21 a list of device identifiers corresponding to stolen
22 devices,

23 and

24 (c) determining, as a function of the obtained
25 physical location information, an action to be taken.
26

1 Claim 10 (original): The security method of claim 9,
2 wherein said device identifier is a MAC address.

1 Claim 11 (previously presented): The method of claim 9,
2 further comprising:

3 generating a message indicating the detection of a
4 stolen device when said comparing step detects a match
5 between the received device identifier and a device
6 identifier in said list of device identifiers corresponding
7 to stolen devices.

1 Claim 12 (previously presented): The method of claim 11,
2 wherein said generated message includes information
3 indicating the geographic location where the identified
4 stolen device is being used.

1 Claim 13 (original): The method of claim 12, wherein said
2 geographic location is a post office address.

1 Claim 14 (currently amended): A security method for use in
2 a communication system, the security method comprising:
3 receiving an IP packet including a source address and
4 a destination address;
5 obtaining physical location information indicating the
6 location of a user device which is the source of said IP
7 packet prior to delivery of the packet to the destination
8 address;

9 determining, as a function of the obtained physical
10 location information, an action to be taken;

11 ~~The method of claim 1, further comprising:~~

12 determining if the destination address corresponds to
13 a service for which security is to be provided; and

14 wherein said steps of obtaining physical location
15 information and determining an action to be taken are
16 performed when it is determined that said destination
17 address corresponds to a service for which security is to
18 be provided.

1 Claim 15 (canceled):

1 Claim 16 (currently amended): A security device for use in
2 a communication system in which IP packets are transmitted,
3 the device comprising:

4 means for receiving an IP packet including a source
5 address and a destination address;

6 means for obtaining physical location information
7 indicating the location of a user device which is the
8 source of said IP packet prior to delivery of the packet to
9 the destination address; and

10 means for determining, as a function of the obtained
11 physical location information, an action to be taken;

12 ~~The security device of claim 15, further comprising:~~

13 a database of physical location information listing
14 physical locations authorized to obtain access to said
15 service; and

16 wherein said means for determining an action to be
17 taken includes a comparator for comparing the obtained
18 physical location information to information listing

19 physical locations authorized to obtain access to a service
20 for which security is to be provided.

1 Claim 17 (original): The security device of claim 16,
2 further comprising:

3 means for dropping said packet when said comparing
4 does not result in a match between the obtained physical
5 location information and the information listing physical
6 locations authorized to obtain access to the service.

1 Claim 18 (original): The security device of claim 2,
2 wherein said service is one of a banking service, video on
3 demand service and a music on demand service.

1 Claims 19-31 (canceled):

1 Claim 32 (previously presented): A location verification
2 method, the method comprising;
3 receiving an IP packet including a source address and
4 a destination address;
5 determining from said source address the physical
6 location from which said IP packet was sent prior to
7 delivery of the packet to the destination address;
8 comparing the determined physical location information
9 to expected information indicating the expected source of
10 an IP packet; and
11 determining a reporting error when said determined
12 physical location information does not match the expected
13 physical location information.

1 Claim 33 (original): The location verification method of
2 claim 32, further comprising:

3 transmitting a message including information on the
4 determined reporting error to a law enforcement authority.

1 Claim 34 (previously presented): The location verification
2 method of claim 33, further comprising:

3 including the determined physical location information
4 in said message.

1 Claim 35 (original): The location verification method of
2 claim 34, further comprising:

3 identifying the device transmitting said IP packet
4 from a MAC address determined from a database associating
5 said MAC address with said source address.

1 Claim 36 (previously presented): A location verification
2 method, the method comprising;

3 receiving an IP packet including a source address
4 wherein said IP packet is transmitted from a bracelet worn
5 by a parolee and wherein said IP packet includes parolee
6 identification information;

7 determining from said source address the physical
8 location from which said IP packet was sent;

9 comparing the determined physical location information
10 to expected information indicating the expected source of
11 an IP packet;

12 determining a reporting error when said determined
13 physical location information does not match the expected
14 physical location information;

15 transmitting a message including information on the
16 determined reporting error to a law enforcement authority;

17 including the determined physical location information
18 in said message;

19 identifying the device transmitting said IP packet
20 from a MAC address determined from a database associating
21 said MAC address with said source address; and
22 including in said message information obtained from
23 said IP packet identifying the parolee.

1 Claim 37 (original): The location verification method of
2 claim 33, further comprising:
3 determining if said IP packet was sent at a
4 predetermined time during which a location reporting
5 message was scheduled to be transmitted.